AEE/SBD/BBR20/13-14
29-5-13

2nd & Final — Orginal/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For other works) Date:……

Division: Dasarahalli Division — Sub-Division: **Shettihalli**

Bill Received No. 138/13-14 Dated 31.5.13 Cash Book Vocher No……..Dated……

Scheduled Docket No…… Head of Account……

Name of work (as Per Sanctioned Estimate.): Drilling of 20 Bore well providing & fixing of pump motor & necessary asseceries in ward No 12 in Shettihalli sub division, Dasarahalli Zone

Name of Contractor and Full Address: **:-Technical Manager (west) Karnataka Rurral Infrastructure Development Limted, Project Implementation Unit, Madhavanagara bangalore 560 001.**

Reference to Agreement No: **EE/DD/WO/05/11-12**

Certified that the measurements were taken by me on 24/5/13 ……and recorded in pages 35841 to 53

Measurements Book No. 359 08-09 and that the work is satisfaction executed

Technical Manager (West) K.R.I.D.L. B.B.M.P. Bangalore — Contractor Signature

Officer-in-charge of work.

Certified that the measurements were taken by me on 24/5/13 and found correct. The work is satisfactorily executed

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

If Memorandum of Payment — **Work Code No. 012-11-000090** — Sub Division Officer

		Amount
1	Total Value of work done or supplies made as per account.	8990390=00
2	Deduct amount to be held in reserve being …… Percent Rs.	Bill upto date:
3	Deduct amount to be held in reserve being balance	Pre. Paid – 7264586=00
4	Deduct payments:	II nd & Final. 1725804=00
	a) Amount of previous payment as in the office Cash Book Vocher No…… Dated…… S.D. No……	Deduct Becom 200275
	Amount adjusted towards cash advance recovery of	1525529=00
	b) Payments cost store or other materials supplied.	IT-30511- KST-61021- FSD-76276- WC-15255 CBF-1526 184589-
5	Balance being unpaid value of work done held in reserve	
6	Deduct cash advance made on the office cash book vehicle No…… Dated…… Less adjustments	
7	Net amount due to or from contractor	1340940=00
	Unadjusted items	Add Becom 200275=00
8	Advance to contractor for materials brought to site (as detailed) within value of	Net Payable 1632747=00
	Government materials supplied.	
	Government materials supplied.	

Audited and admitted for Rs. 1725804=00

Received Rs. 1632747=00 (in wards)

Passed by Cheque for Rs. ……

By cash and by adjustment of payment as per memorandam.

Witnesses:

1 ……

2 by adjustment Rs. 184589=00

Date:……

Paid by me by cheque ……

Cash Rs. 3,14,297 Dated……

Accounts Superintendent — Executive Engineer — B.B.M.P. Dasarahalli Division

Technical Manager (West) K.R.I.D.L. B.B.M.P. Bangalore — Contractor Signature

(for use in the office)

Technical Manager (West) K.R.I.D.L. B.B.M.P. Bangalore — Signature of Contractor.

Sl No	Description	Unit	Previous measurement		Present measurement			Total up to date	
			Qty	Cost	Qty	Rate	Cost	Qty	Cost
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the Habitation either through the hand pump, MWS O PWSS by vertical electrical sounding by adopting veneer or Schlumbergers's method, including reconnaissance survey of Geological formation, Geophysical investigation of existing ground water in the vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc., (P 32, I 4)	No	18	28800		1600.00	0	18	28800
2	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burdern upto 20 M. fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimu working of compressor for one hour (excluding cost of casing pipes, collars, cap etc.,) (P. No.36 I. No. 9.1) PRED SR. 2010-11			0			0	0	0
a	Upto 50.00m depth	Rmt	900	238500		265.00	0	900	238500
b	Above 50.00 to 100.00m depth	Rmt	900	310500		345.00	0	900	310500
c	Above 100.00 to 150.00m depth	Rmt	900	342000		380.00	0	900	342000
d	Above 150m to 200m depth	Rmt	900	396000		440.00	0	900	396000
e	Above 200m up to 250m depth	Rmt	900	432000		480.00	0	900	432000
3	Supplying of ISI Mark 175mm Nominal bore plain end steel casing pipe-grade of steel Fe 410, of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest emendments electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxyzen process in random length of 4 to 7 Mts, Both ends threaded confirming to IS 554/1985, one end fixed with a socket confirming to IS 4270:2001 and the other end with screwed pipes. all pipes shall be reasonably straight should be with ISI making, welding, weighing 25.10 kg/mtr (icnlusive of all taxes and duties) Prices include collar medium duty (P. No.II I. No.) PRED SR. 2010-11	Rmt	360	477000	40	1325.00	53000	400	530000
	Up to 125%	Rmt		0	100	1325.00	132500	100	132500
	Above 125%	Rmt		0	338	1325.00	447850	338	447850
4	Providing 175mm dia MS cap	No	18	1800		100.00	0	18	1800
5	M.S Casing pipe collars 'C' Class	No	72	10800	8	150.00	1200	80	12000

	Up to 125%	No		0	20	150.00	3000	20	3000
	Above 125%	No		0	62	150.00	9300	62	9300
6	Providing and fixing of 50 mm dia PVC Pipe and as specification and direction RDED SR of 2006-07 P. 4 I. 4.30	Rmt	30	25500		850.00	0	30	25500
7	Supply and delivery at site brand new submersible PUMPSET suitable for borewell of 150mm dia and having declared duty conditions as detailed below and satisfying performance characteristic for pump and motor as declared by Bureau of Indian Standards. The pump should confirm to IS: 8034-1976 (with all its latest amendments) and should bear the ISI certification mark IS 8034-1976. The pumpset should consist of bronze impellers. discharge: 7500 lph, Head: 102.88 mts, **15.00 HP 25 Stage**	No	17	884000		52000.00	0	17	884000
8	Providing laying and jointing GI pipes conforming to I.S. specification of approved make with fittings such as collers Bends Elbows Tees Nipples Plugs with cuts thread using white lead and thread for joints wherever necessary as per directions including all leads and lift etc., complete A Grade (Excluding cost of fittings) 50mm dia GI pipe (Rate approved by RDED)	Rmt	3218	1203532	120	374.00	44880	3338	1248412
9	Providing and fixing heavy duty collars	No	553	94010	24	170.00	4080	577	98090
10	Supplying and delivery of brand new FINOLEX make PVC insulated Xst copper condutor to latest Indian Standard specification (Rate approved by RDED)	Rmt	6900	662400	248	96.00	23808	7148	686208
11	Supplying and delivery at site brand new / Essen / Lotus sunsines / Adarsh / GK controls best indigenous make combine energy meter - cum - controlpanel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof The unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided the combine energy meter cum - control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. complete T panel board shall be febricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 12.5 HP with Star Delta Starter	No	17	251600		14800.00	0	17	251600

12	Fabricating supplying and mounting MS cox of 16 SWG suitable for floor / wall mounting, fully weather proof with providion for better heat discription, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc,. complete box of 21600 sq cm and Rs. 0.35	Sqm	398650	139528		0.35	0	398650	139528
13	Providing and fixing of Clamps set and borewell cap to the pump (as per SPD Rate)	No	17	10370		610.00	0	17	10370
14	Suppying and delivery of brand new best make Non-return valve of size 50mm as per IS : 778/84 with latest amendments with ISI mark BCSR Page no : 90 iteam no : 13.62	No	17	22950		1350.00	0	17	22950
15	Suppying and delivery of brand new best make Gate wheel of size 50mm as per IS : 778/84 with latest amendments with ISI mark (Rate approved by RDED) 50mm Gate wheel Valve for distributer pipeline						0	0	0
	50 mm dia	No	17	25364		1492.00	0	17	25364
	65 mm dia	No	17	31450		1850.00	0	17	31450
16	Providing & fixing of 50mm G,I, bend to the Motor (Rate approved by S,E,PRED RATES)	No	68	14960		220.00	0	68	14960
17	Providing & fixing of 50mm G,I, UNION to the Motor (Rate approved by S,E,PRED RATES)	No	72	6840	8	95.00	760	80	7600
	Up to 125%	No		0	20	95.00	1900	20	1900
	Above 125%	No		0	2	95.00	190	2	190
18	Providing & fixing of 50mm G,I, NIPPLE to the Motor (Rate approved by S,E,PRED RATES)	No	17	7650		450.00	0	17	7650
19	End connection Labour charges (Rate approved by S,E,PRED RATES)	No	17	6800		400.00	0	17	6800
20	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves guages etc,. Involved in the job (Necessary GI pipe and specials will be supplied by the board at the site free of cost) (Rate approved by RDED)	No	17	59500		3500.00	0	17	59500
21	Erection of combined panel board meter board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc,. Complete for basement (PWD SR Electrica 99-2000 Page no. 60. I. no. 15) a) Out door type	No	17	8075		475.00	0	17	8075

30	Suppying shunt capacitor's confirming to IS 2834,3 Phase 400/440 volts grade for power factor improvement of roatating machinery Capacitor in KVAR rating Nos. (PWD SR Electrical 99-2000 P. No. 24, I. No. 15b)	No	17	5950		350.00	0	17	5950
31	Fixing a shunt capacitor of KVAR capacity with necessary clamps, bolts and nuts to an existing wooden or metal board including banking of more than one capacitor (PWD SR Electrical 99-2000 P. No.28, I. No. 17a)	No	17	935		55.00	0	17	935
32	Supplying fixing and wiring pilot lamps board using 3 Nos flush mounted neon indicator lamps, 3 Nos, 5 amps flush switches surface mounted in a gang box or flush mounted in 4mm thick plastic sheet, 3 Nos. of 5 amps bakelite suses and necessary wires (PWD SR Electrical 99-2000 P. No.32, I. No. 5)	No	17	2329		137.00	0	17	2329
33	Providing and fixing Gun Metal Gate wheel valves confirming to IS specification of approved make as per direction including all lead and lift etc,. complete. 50mm dia (p.223/I.5a)	No	18	15971	2	887.25	1774.5	20	17745
	Up to 125%	No		0	5	887.25	4436.25	5	4436
	Above 125%	No		0	11	887.25	9759.75	11	9760
34	KSRB 2-2.2: Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, **in hard soil** not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1 (b) / 2.3.5 (P.5/I.2.4 PW, P & IWTD -SR 2010-11)	Cum	1512	288490		190.80	0	1512	288490
	Up to 125%			0	378	190.80	72122.4	378	72122
	Above 125%			0	57.5	220.34	12669.55	57.5	12670
35	Providing and installing at site of work 63mm (0.662) P.V.C. pipes of 6 kg./cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete. (P. No.12 I. No. 3.4.2.a) PRED SR. 2010-11	Rmt	3285	367920	340	112.00	38080	3625	406000

22	Supplying and fixing miniature circuit breakers/Isolators on existing MCB distribution boards using necessary fixing materials and wiring complete as required - complete as (PWD SR ELECTRICALS PAGE NO :- 35/13)	No	17	17425		1025.00	0	17	17425
23	Supplying and fixing polished wood board made of not less than 15mm thick plank on both sides with planks made out on not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc,. SR ELECTRICALS PAGE NO:- 30, iteam no. 2 F)	No	17	5950		350.00	0	17	5950
24	Supplying and Laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV calss (Confirming to IS 1554) (As per approved by SE (DZ) 2007-08)	Rmt	426	85200		200.00	0	426	85200
25	Digging of Trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces (PWD SR Electrical 99-2000 P. No. 59 I. No. 11d)	Rmt	323	16150		50.00	0	323	16150
26	Supplying and fixing Class--A GI Pipe on Pole / Wall / Drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm (As per rate approved by SR page no 69, item no 15(A)	No	51	11220		220.00	0	51	11220
27	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit./ The pit should be filled with equal proportion of salt and charocoal 150 mm alround the pipe to complete depth The connections from the pipe to the conduit etc,. is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122 mm dia (SR page no 66, iteam no 7)	No	17	25500		1500.00	0	17	25500
28	Supplying and fixing LT cast iron pot Heads suitable for 1.1 KV class UG cable filled with necessary bitumen / insulating compound complete with terminals , clamps, bolts nuts and washers etc,.(SR page no 39, iteam no 16B)	No	17	4080		240.00	0	17	4080
29	Supplying of porcelain fuse channel with cutouts (PWD SR Electrical 99-2000 P. No. 41, I. No. 17b)	No	51	1836		36.00	0	51	1836

36	Providing and installation at site of work 20mm GI Pipes including cost of pipes and specials and labour including lowering into treanches, laying true to line, complete As per Direction of Engineer incharge for Public Taps. For Motor / Pipe line	Rmt	51	6375		125.00	0	51	6375
37	KSRB 2-4: Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m. including cost of all labour complete as per specifications. (P.6/I.2.11 PW, P & IWTD -SR 2010-11)	Cum	1107	56911		51.41	0	1107	56911
	Up to 125%	Cum		0	276.75	51.41	14227.72	276.75	14228
	Above 125%	Cum		0	532.78	58.2	31007.8	532.78	31008
	Extra Item			0			0	0	0
e	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burdern upto 20 M. fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimu working of compressor for one hour (excluding cost of casing pipes, collars, cap etc.,) (P. No.36 I. No. 9.1) PRED SR. 2010-11Above 250m up to 300m depth	Rmt		0	931	520	484120	931	484120
				6604169			1390666		7994835
	Add 10% KRIDL Chaeges			660417			139066.6		799484
	Total A			7264586			1529733		8794319
38	Electrification Charges Total B						208675		208675
	Total Rs						1738408		9002994

Certificate

1 This is certified that the contractor has completed the work satisfactorly.

2 There are no departmental issue for the above work.

Ravi.N.K.

Ravi.N.K.

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ಶಬ್ಬಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.